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FILE COVERS 1907 - 12 Oct 2007 VOL 147 ISS 17

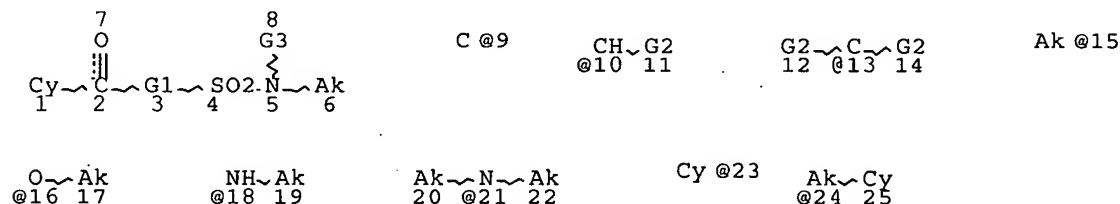
FILE LAST UPDATED: 11 Oct 2007 (20071011/ED)

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=> d que 127

L1 STR



VAR G1=9/CH2/10/13

VAR G2=OH/NH2/CN/15/16/18/21/23/24

VAR G3=H/AK

NODE ATTRIBUTES:

NSPEC IS R AT 9

CONNECT IS E1 RC AT 15

CONNECT IS E1 RC AT 17

CONNECT IS E1 RC AT 19

CONNECT IS E1 RC AT 20

CONNECT IS E1 RC AT 22

CONNECT IS E1 RC AT 23

CONNECT IS E2 RC AT 24

CONNECT IS E1 RC AT 25

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:591296 CAPLUS

DOCUMENT NUMBER: 113:191296

TITLE: A simple and versatile synthesis of substituted ethynesulfonamides

AUTHOR(S): Leclercq, Martine; Brienne, Marie Josephe

CORPORATE SOURCE: Coll. France, Paris, 75231/05, Fr.

SOURCE: Tetrahedron Letters (1990), 31(27), 3875-8

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 113:191296

AB The reaction of lithiated MeSO<sub>2</sub>NR<sub>2</sub> (NR<sub>2</sub> = morpholino, 4-methyl-1-piperazinyl) with R1CO<sub>2</sub>H esters [R = Ph, o- and p-ClC<sub>6</sub>H<sub>4</sub>, 2,4-Cl<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, p-FC<sub>6</sub>H<sub>4</sub>, p-F<sub>3</sub>CC<sub>6</sub>H<sub>4</sub>, p-Me<sub>3</sub>CC<sub>6</sub>H<sub>4</sub>, p-MeOC<sub>6</sub>H<sub>4</sub>, p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, p-Me<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, 3,4-(MeO)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>] gave 38-87% .apprx.20 R1COCH<sub>2</sub>SO<sub>2</sub>NR<sub>2</sub>, which was dehydrated with 2-chloro-N-methylpyridinium iodide-NEt<sub>3</sub> to give 64-95% .apprx. 20 R1C.tplbond.CSO<sub>2</sub>NR<sub>2</sub>.

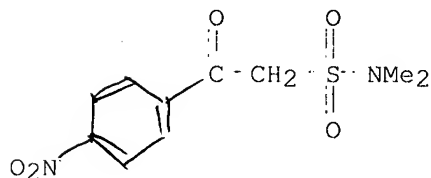
IT 130214-77-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

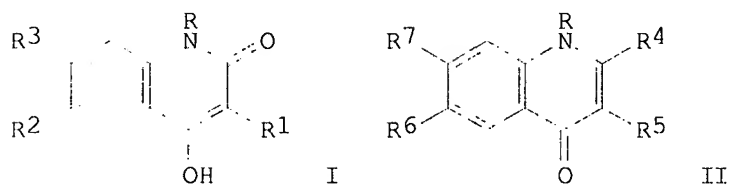
(preparation and dehydration of)

RN 130214-77-6 CAPLUS

CN Benzeneethanesulfonamide, N,N-dimethyl-4-nitro- $\beta$ -oxo- (9CI) (CA INDEX NAME)



L2 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1980:146570 CAPLUS  
 DOCUMENT NUMBER: 92:146570  
 TITLE: The chemistry of 2H-3,1-benzoxazine-2,4(1H)-dione (isatoic anhydride). 7. Reactions with anions of active methylenes to form quinolines  
 AUTHOR(S): Coppola, Gary M.; Hardtmann, Goetz E.  
 CORPORATE SOURCE: Dep. Med. Chem., Sandoz, Inc., East Hanover, NJ, 07936, USA  
 SOURCE: Journal of Heterocyclic Chemistry (1979), 16(8), 1605-10  
 CODEN: JHTCAD; ISSN: 0022-152X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 92:146570  
 GI



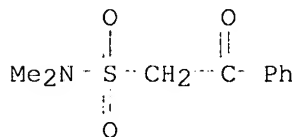
AB Seventy-nine quinolines I (R = allyl, CH<sub>2</sub>CH:CH<sub>2</sub>, CH<sub>2</sub>C.tplbond.CH, Ph, substituted-Ph, PhCH<sub>2</sub>; R<sub>1</sub> = CO<sub>2</sub>Et, CN, PhSO<sub>2</sub>, etc.; R<sub>2</sub>, R<sub>3</sub>, = H, Cl, OMe, NO<sub>2</sub>; R<sub>2</sub>R<sub>3</sub> = OCH<sub>2</sub>O) and II (R = Me, Et, PhCH<sub>2</sub>; R<sub>4</sub> = Ph, Me, Me<sub>2</sub>CH, CO<sub>2</sub>Et, CH<sub>2</sub>CO<sub>2</sub>Et, NH<sub>2</sub>, o-FC<sub>6</sub>H<sub>4</sub>, 2-thienyl; R<sub>5</sub> = CO<sub>2</sub>Et, CO<sub>2</sub>H, CN, Ac, Bz, SO<sub>2</sub>Me, SO<sub>2</sub>Ph, SO<sub>2</sub>NMe<sub>2</sub>, P(O)(OEt)<sub>2</sub>; R<sub>6</sub>, R<sub>7</sub> = H, Cl; R<sub>6</sub>R<sub>7</sub> = OCH<sub>2</sub>O) were prepared in 2.4-88% yields from the reaction of isatoic anhydrides with active methylene compds.

IT 73281-91-1

RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with isatoic anhydrides)

RN 73281-91-1 CAPLUS

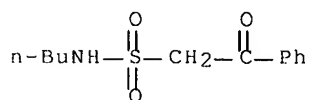
CN Benzeneethanesulfonamide, N,N-dimethyl-β-oxo- (9CI) (CA INDEX NAME)



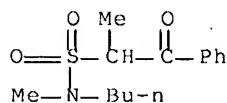
ACCESSION NUMBER: 1976:16883 CAPLUS Full-text  
 DOCUMENT NUMBER: 84:16883  
 TITLE: New "Gabriel" syntheses of amines  
 AUTHOR(S): Hendrickson, J. B.; Bergeron, R.; Sternbach, D. D.  
 CORPORATE SOURCE: Edison Chem. Lab., Brandeis Univ., Waltham, MA, USA  
 SOURCE: Tetrahedron (1975), 31(20), 2517-21  
 CODEN: TETRAB; ISSN: 0040-4020  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB The use of PhCOCH<sub>2</sub>SO<sub>2</sub>Cl and (F<sub>3</sub>CSO<sub>2</sub>)<sub>2</sub>O as N-blocking reagents in the Gabriel synthesis of amines is described. E.g., PhNH<sub>2</sub> with PhCOCH<sub>2</sub>SO<sub>2</sub>Cl and pyridine in CHCl<sub>3</sub> gave 93% PhCOCH<sub>2</sub>SO<sub>2</sub>NHPh which with MeI and PhCH<sub>2</sub>Br gave 93 and 94% PhCOCHRSO<sub>2</sub>NPhR (R = Me, PhCH<sub>2</sub>, resp.). Deprotection with Zn dust in AcOH gave 78 and 98% PhNHR. This method could not be adapted to the preparation of primary amines. Primary amines were prepared by reaction of alkyl halides (RX) with PhCH<sub>2</sub>NHSO<sub>2</sub>CF<sub>3</sub> in the presence of base to give PhCH<sub>2</sub>NRSO<sub>2</sub>CF<sub>3</sub> which on heating with NaH gave PhCH:NR and F<sub>3</sub>CSO<sub>2</sub><sup>-</sup>. Acid hydrolysis of the imine gave RNH<sub>2</sub>.

IT 58044-83-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and alkylation of)  
 RN 58044-83-0 CAPLUS  
 CN Benzeneethanesulfonamide, N-butyl-β-oxo- (9CI) (CA INDEX NAME)



IT 58044-88-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and deprotection of)  
 RN 58044-88-5 CAPLUS  
 CN Benzeneethanesulfonamide, N-butyl-N,α-dimethyl-β-oxo- (9CI)  
 (CA INDEX NAME)



ACCESSION NUMBER: 1978:509326 CAPLUS Full-text

DOCUMENT NUMBER: 89:109326

TITLE: Preparation of 4-hydroxycinnoline derivatives with sulfonic acid, sulfonamide or sulfone moieties in position 3 and of 1-ethyl-1,4-dihydro-4-oxocinnoline-3-carboxylic acids

AUTHOR(S): Albrecht, Rudolf

CORPORATE SOURCE: Forschungslab., Schering A.-G. Berlin/Bergkamen, Berlin, Fed. Rep. Ger.

SOURCE: Justus Liebig's Annalen der Chemie (1978), (4), 617-26

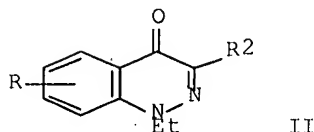
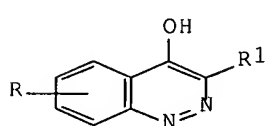
CODEN: JLACBF; ISSN: 0075-4617

DOCUMENT TYPE: Journal

LANGUAGE: German

OTHER SOURCE(S): CASREACT 89:109326

GI



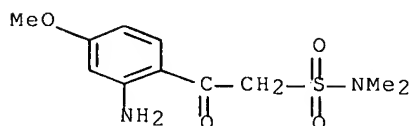
AB Hydroxycinnolines I (R = H, 7-MeO, 6-Me, 7-Cl; R1 = SO<sub>3</sub>Na, SO<sub>2</sub>NHPh, SO<sub>2</sub>NH<sub>2</sub>, SO<sub>2</sub>NMe<sub>2</sub>, SO<sub>2</sub>Me, SO<sub>2</sub>Ph) were prepared by diazotization of the corresponding x,2-R(H<sub>2</sub>N)C<sub>6</sub>H<sub>3</sub>COCH<sub>2</sub>R<sub>1</sub>. Ethylation of I (R = H, 6-Me, 7-MeO, 7-Cl, R<sub>1</sub> = SO<sub>2</sub>Me) gave cinnolinones II (R<sub>2</sub> = SO<sub>2</sub>Me), the SO<sub>2</sub>Me group of which was replaced by cyano by heating 24 h at 120° with KCN in DMF. Hydrolysis of II (R<sub>2</sub> = CN) by refluxing 16 h with AcOH-HCl gave carboxylic acids II (R<sub>2</sub> = CO<sub>2</sub>H).

IT 67323-19-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and diazotization and cyclization of)

RN 67323-19-7 CAPLUS

CN Benzeneethanesulfonamide, 2-amino-4-methoxy-N,N-dimethyl-β-oxo- (9CI)  
(CA INDEX NAME)

IT 67323-27-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reduction of)

RN 67323-27-7 CAPLUS

L27 ANSWER 25 OF 41 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1987:458881 CAPLUS Full-text  
 DOCUMENT NUMBER: 107:58881  
 TITLE: Preparation and formulation of  
 dihydrooxoquinolinesulfonamides as antihypertensives  
 INVENTOR(S): Davies, Roy Victor; Fraser, James; Nichol, Kenneth  
 John  
 PATENT ASSIGNEE(S): Boots Co. PLC, UK  
 SOURCE: Eur. Pat. Appl., 51 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 206616	A2	19861230	EP 1986-304390	19860609 <--
EP 206616	A3	19880601		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AU 8658382	A	19861218	AU 1986-58382	19860605 <--
ZA 8604288	A	19870128	ZA 1986-4288	19860609 <--
DK 8602723	A	19861216	DK 1986-2723	19860610 <--
FI 8602519	A	19861216	FI 1986-2519	19860612 <--
NO 8602372	A	19861216	NO 1986-2372	19860613 <--
HU 42073	A2	19870629	HU 1986-2522	19860613 <--
DD 249010	A5	19870826	DD 1986-291288	19860613 <--
ES 556027	A1	19871216	ES 1986-556027	19860613 <--
US 4772614	A	19880920	US 1986-874217	19860613 <--
JP 62036361	A	19870217	JP 1986-139954	19860616 <--
CN 86104611	A	19880127	CN 1986-104611	19860707 <--
PRIORITY APPLN. INFO.:			GB 1985-15209	A 19850615 <--

OTHER SOURCE(S): MARPAT 107:58881

GI For diagram(s), see printed CA Issue.

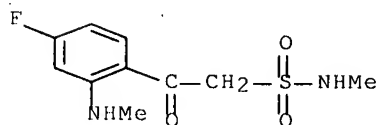
AB The title compds. [I; X = residue of substituted benzene ring; R = alkyl; R1-R3 = H, alkyl; R1R2N = (un)substituted heterocyclyl] were prepared as antihypertensives. 7-Chloro-1-methyl-4(1H)-quinolinone was chlorosulfonated and the product was treated with MeNH2 to give 7-chloro-1,4-dihydro-1,N-dimethyl-4-oxo-3-quinolinesulfonamide (II). II and other I showed antihypertensive activity in normotensive rats at ≤90 mg/kg intraduodenally. Pharmaceutical formulations of I are given.

IT 108494-87-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and cyclocondensation with paraformaldehyde)

RN 108494-87-7 CAPLUS

CN Benzeneethanesulfonamide, 4-fluoro-N-methyl-2-(methylamino)-β-oxo-  
 (9CI) (CA INDEX NAME)



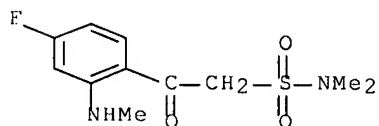
IT 108494-90-2P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and cyclocondensation with tri-Et orthoacetate)

RN 108494-90-2 CAPLUS

CN Benzeneethanesulfonamide, 4-fluoro-N,N-dimethyl-2-(methylamino)- $\beta$ -oxo-  
(9CI) (CA INDEX NAME)



IT 108494-63-9P 108494-66-2P 108494-69-5P

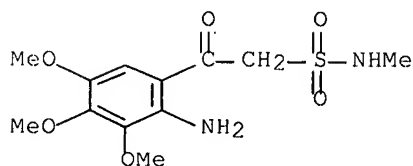
108494-75-3P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and cyclocondensation with tri-Et orthoformate)

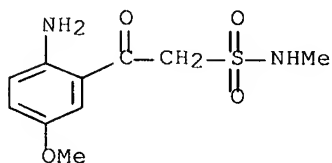
RN 108494-63-9 CAPLUS

CN Benzeneethanesulfonamide, 2-amino-3,4,5-trimethoxy-N-methyl- $\beta$ -oxo-  
(9CI) (CA INDEX NAME)



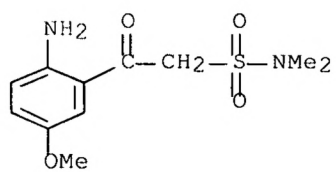
RN 108494-66-2 CAPLUS

CN Benzeneethanesulfonamide, 2-amino-5-methoxy-N-methyl- $\beta$ -oxo- (9CI)  
(CA INDEX NAME)



RN 108494-69-5 CAPLUS

CN Benzeneethanesulfonamide, 2-amino-5-methoxy-N,N-dimethyl- $\beta$ -oxo- (9CI)  
(CA INDEX NAME)





ACCESSION NUMBER: 1998:213090 CAPLUS Full-text

DOCUMENT NUMBER: 128:270172

TITLE: Synthesis and reactivity of N-alkyl-2-oxoalkanesulfonamides

AUTHOR(S): Vega, Juan A.; Alajarin, Ramon; Vaquero, Juan J.; Alvarez-Builla, Julio

CORPORATE SOURCE: Departamento de Quimica Organica, Universidad de Alcala, Alcala de Henares, 28871, Spain

SOURCE: Tetrahedron (1998), 54(14), 3589-3606

CODEN: TETRAB; ISSN: 0040-4020

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 128:270172

AB A series of N-alkyl-2-oxoalkanesulfonamides have been synthesized by reacting silyl enol ethers with N-alkylsulfamoyl chlorides. Their reactivity towards electrophiles was investigated in order to explore the regio- and stereoselectivity of the process. 2-Oxoalkanesulfonamides were used to prepare 5-(methylsulfamoyl)-1,4-dihydropyridine derivs.

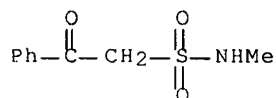
IT 96355-30-5P 205679-09-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reactions of N-alkyl-2-oxoalkanesulfonamides)

RN 96355-30-5 CAPLUS

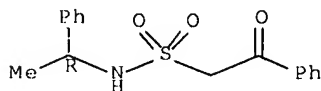
CN Benzeneethanesulfonamide, N-methyl-β-oxo- (9CI) (CA INDEX NAME)



RN 205679-09-0 CAPLUS

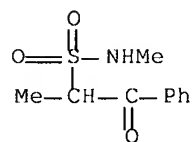
CN Benzeneethanesulfonamide, β-oxo-N-(1-phenylethyl)-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 205679-21-6 CAPLUS

CN Benzeneethanesulfonamide, N, $\alpha$ -dimethyl- $\beta$ -oxo- (9CI) (CA INDEX NAME)



RN 205679-22-7 CAPLUS

CN Benzeneethanesulfonamide, N,N, $\alpha$ -trimethyl- $\beta$ -oxo- (9CI) (CA INDEX NAME)

